# AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

Art Collins-President 68 amber Street Buffalo 20.N.Y. King Schafer-V.Pres. 360 Zimmerman Blvd. Kenmore 17, N.Y.

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EDITORIAL: ..

Recently newspapers accross the country have again revived the sour old issue of "Pay\*TV". This time the journalistic "opinion moulders" focused their attention on a allegedly siccessfull pay\*TV experiment in a tank-town suburb of Toronto, Ont. Canada. One Sunday supplement which carried the story even suggested it was a "thrill", for Mom. Dad, and the kids to plop coins into the meter box atop their set!! This was followed by "typical viewer quotes such as: "I like Pay-TV because it don't have them annoying commercials". "Commercials should only be in newspapers". All this makes it rather clear, that those who favor Pay-TV, from tin-horn cable operators, to greedy movie producers, have nothing but a selfish motive at heart! (I exclude of course those boob's fallen victim to pro Pay TV propaganda.)

Although Pay-TV fed into homes via wire is bad enough, the idea of "over the air" Pay-TV is simply outrageous ! The public (God bless em) I understand, is suggested to be the great white father of the airways? Or have contemporary moral values shifted this authority to Wall St.or such? In any event this is an issue which in the long run can effect every TV set owner in the nation, from a TV-DXer's standpoint a nationwide over the air Pay-TV system, would most certainly have adverse effects on our hobby. Identification of scrambled video signals during code telecasting periods, would be next to impossible. If this menster is allowed to grow, (It feeds on dollars) soon even the Natworks would be on the Pay-TV kick. And what would this famous programming consist of ??...I reckon the same thing we're viewing now for free(or worse) plus commericals of course !! Yes, how ironic it would be, the public going broke on Pay-TV, and upon arriving at the poor-house finding a 1927 radio as their only companion...

The Communists are reported to have a saying "Vote early and often", we on the other hand say just "Vote period," for the selection of your 1961 AIPA convention site. As we mentioned in August there are two generous offers on the locale of this affair: First from AIPA'er Dick Miller of Royal Oak, Michigan (Detroit) to be assisted by Walter Spaulding, and second from AIPA'er Bob Seybold Dunkirk, New York. Please consider your selection carefully, then put your choice on a post-card and mail it to Art. Results will be published as soon as all the cards are in. We indeed hope many of you as possible will make a firm effort to attent Convention 1961.

That's about it for November. Just one last thought-- Be extra carefull Winter driving, -The life you save may be a television repairman's !

Best DX & 73's

King Schafer

```
DATE DIST.
         TELEVISION DX RECORDS CHANNEL 4
                                                                                                                                                                                      STANDINGS OF ACTIVE MEMBERS
         CALL LOCATION
                                                                                                                                                                                                                                                                                                             348
                                                                                                                                                                                       1. B. Brown Ark.
         KVOA Tucson, Ariz. 8-6-55 1325 BH
                                                                                                                                                                                                                                                                        Ohio
                                                                                                                                                                                                                                                                                                            291
                                                                                                                                                                                      2. F. Hill
                                                                                                                                                                                       3. D. Bourgeois La.
         KARK Little Rock, Ark 1700 RC
                                                                                                                                                                                                                                                                                                            276
  KRCA Los Ang., Cal. 8-14-54 2117 FW

*KRON San Fran., " 9-6-59 1850 EP

KOA Denver, Colo. KS 1370 NE

WRG Washington, D.C. 2400 RC

WJXT Jacksonville, P.6- -56 1400 GG

*WTVJ Miami, Fla. 1400 JPi

WRBL Columbus, Ga. 55 1882 MF

*WHBF Rock Island, Ill. 1350 RB
                                                                                                                                                                                      4. D. Janowiak Wisc.
                                                                                                                                                                                                                                                                                                           262
                                                                                                                                                                                      5. R. Nieman N.Y.
                                                                                                                                                                                                                                                                                                            262
                                                                                                                                                                                                                                                                        Wisc. 260
                                                                                                                                                                                            6. B. Draeb
       WRS Washington, D.C. 2400 RC 7. J. Bingham Mo. 256
WJXT Jacksonville, P.6- -56 1400 GG 8. B. Eckberg Ill. 215
WEVJ Miami, Fla. 1400 JPi 9. B. Meers Ky. 212
WRBL Columbus, Ga. 55 1882 MF 10. E. Rugal Kans. 210
WHBF Rock Island, Ill. 1350 RB 11. N. Erint N.Y. 209
WTTV Indianapolis, I. 6-11-57 1305 J.Di 12. K. Neal Tex. 206
KXIV Sioux City, Iowa 1360 DS 13. R. Nieman N.Y. 204
WRBL Columbus, Ga.

*WHBF Rock Island, Ill.

WTTV Indianapolis, I. 6-11-57 1305 J.Di 12.

*KTIV Sioux City, Iowa 1360 DS 13. R. Nieman.

WWL New Orleans, La. 1050 BD 14. F. Dombrowski Wisc.

WBZ Boston, Mass. 2600 RC 15. G. Olson Ill. 177

WWJ Detroit, Mich. 8- -55 1305 JDi 16. D. Ruland Fla. 172

WC30 Minneapolis, Minn. 1700 RC 17. J. Farillo Ohio 170

**Ward Niew Columbus, Miss. 6-29-56 1125 BR 18. D. Johnson Wash. 146

**Ward Niew Columbus, Miss. 6-29-56 125 BR 18. D. Johnson Wash. 146

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**Ward Niew Columbus, Miss. 6-29-
 ### Butte, Mont. 1360 CB 21. R. Hilding Ariz. 125

**Kduh Hay Springs, Neb.6-13-58 1300 DJ 22. J. Firch Mo. 125

**KOB Albuquerque, N.M. 1235 WS 23. R. Walker La. 122

WEEN Buffalo, N. Y. 5-23-56 1500 JDi 24. R. Berg Va. 120

WRUA New York, N. Y. 2450 RC 25. W. Spaulding Ohio 107

WUNC Chapel Hill, N.C.12-27-54 1040 ES 26. R. Bergen Ky. 102

**KXJB Valley City, N. D. 1400 DS 27. D. Kanara N.Y. 101

WIWC Columbus, Ohio 4-15-57 1900 DJ 28. D. Smith
       WLWC Golumbus, Ohio 4-15-57 1900 DJ 28. D. Smith Cal. 98 WKY Oklahoma City, Okl.7-24-57 1400 DJ 29. W. Burrit N.Y. 96
 *WILE Pittsburg, Pa. 3-14-59 950 ES 30. G. Pomeroy Kans.

WFBC Greenville, S. C. 6- -56 1200 GG 31. C. Wood Oreg.

WSM Nashville, Tenn. 5-24-56 1475 JD 32. J. Dillon Sask.

KGNC Amarillo, Tex. 1450 GS 33. A. Korek N.Y.

*KEDY Big Spring, Tex. 1250 ND 34. R. Foster, Jr. La.

*KRLD Dallas, Texas 1400 ND 35. D. Webb Mass.

*KROD El Paso " 7-21-57 1325 DJ 36. G. Simkin Id.

*KGRT Hanlinger Texas Cal
                                                                                                                                                                                                                                                                                                                 96
                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                          86
                                                                                                                                                                                                                                                                                                                  81
                                                                                                                                                                                                                                                                                                                  81
                                                                                                                                                                                                                                                                                                                 69
                                                                                                                                                                                                                                                                                                                   68
     KGBT Harlingen, Texas 6- -57 1900 DJ 37. A. Preston Cal.
                                                                                                                                                                                                                                                                                                                 44
  *KPAC Port Arthur, Texas. 1230 RN 38. J. Dyckman *KEYO ? 8-8-58 1070 DJ Average Milage
                                                                                                                                                                                                                                                                                                                  10
                                                                                                                                                                                                                                                                           Ohio
                                                                                                                                                                                            Average Milage 156
     KTVT Salt Lake City, Utah 1580 LV Best gain B. Draeb 4 Stations.
 KTVT Salt Lake City, Utah

KCMO Seattle, Wash.

*KXLY Spokane, Wash.

WTMJ Milwaukee, Wisc.

NTVH Honolulu, Hawaii

WAFA San Juan, F.R.

CBWT Winnipeg, Man.

*GHSJ St. John N.B.

CJCB Sydney, N. S.

*CKRN Rouyn Quebec

*CKRN Rouyn Quebec

*CMBF Havanna Cuba

*CMBF Havanna Cuba

*CMBF Havanna Cuba

*CHANNEL RECORD HOLDERS CH. 4:

Best galn B. Draeb CHANNEL RECORD HOLDERS CH. 4:

Best galn B. Draeb CHANNEL RECORD HOLDERS CH. 4:

*CHANNEL RECORD HOLDERS CH. 4:

*COOPER, 5-

                                                                                                                                                                                              Girard. M. Foote, Dennis Smith,
                                                                                                                                                                                             G. Simkin, N. Doyle, F. Cox,
B.H.Rauch, 1-E. Frond, N. Erint
J. Firch, K. Schafer, R. Berg,
  **GMJ Camaguay, Cuba 1500 BH
**HIT Cuidad Trujillo, DR 8-12-55 1950 FH
                                                                                                                                                                                               Hill, and E. Rugal.
  *XHIV Mexico City, D. F. 1900 ER
                                                                                                                                                                                               These records and standings
                                                                                                                                                                                                taken from past Bulletins and
    *XXXVO MExico
                                                                                                                                                     2500 DJ
   *YEUV Caracas, Venz.

8-2-57 4000 PC letters received by me.

*YEUV San Salvador

6-17 -59 1200 DR Send me your 5-13 records
                                                                                                                                                                                                  and any 2-4 records you have
    * New Records
   New Ch. 2 and Ch. 3 Records will be listed bircken. Nov. 25 deadline.
   next month, not enough room this month. FRANK WHEELER BOX 176, R.D.5
```





## FCC GRANTS.

## APPLICATIONS

Ch 13 Anchorage, Alaska 1.26Kw-Ch 51 Louisville, Ky. 14.4Kw-7.6Kw.

Ch 6 Casper, Wyo. 1.586Kw- 793W. Ch 9 San Antonio, Tex. (Ed.) 316Kw.

Ch 10 Terre Haute, Ind. 316Kw-168Kw.

CALLS ASSIGNED

Ch 25 Columbia, S.C. 13.4Kw- 7.3Kw/ Ch 56 Binghamton, N, Y, 211.45Kw-105.

WICD(TV) Danville, Ill from WDAN-TV.ch.66 Erie, Pa. 196.29Kw- 96.15Kw.

WLPA(TV) Alpena, Mich. KEFS-TV Fort Smith, Ark.

## MIS'L NEWS:

The FCC has proposed making the Evansville, Ind. area an all UHF market, thus shifting ch 7 to Louisville, Ky. WTVW says it would not serve the public's best interest with UHF.

Japanise manufactured TV sets are hitting the American stores fast and furious. 8" sets were first to appear with good sales records. 19" sets are expected this month, to sell at a price around \$200 and less. 23" sets are expected to coming here by early 1961.

An educational TV station on ch19 in Kansas City is slated to start sometime this fall.

KEZI-TV ch 9 Eugene, Ore. 316Kw-158Kw. air date-Nov.15th. 31. CHAN-TV ch 8 Vancouver, B.C. Can. should be on the air now, started Oct KFSV-TV Cape Girardeau, Mo. has completed their new 1,676 $\frac{1}{2}$  foot tower, the tallest man made structure on Earth to date. 21 months to build. Is a 20 minute elevator ride from top to bottom !

WBID-TV Detroit, Mich WHLS-TV Port Huron, WMCN-TV Grand Rapids are among the 23 UHF license holders given time extension to build... 20 UHF licenses have been returned to the FCC. Dick Miller sends this info

A giant ear, the 85 foot radio telescope of Project Ozma in Green Bank, W. Va. is tuned in towards the stars listening for signs of life in the 3333 other worlds.

Correction is in order --- The Educational television Stratovision Air borne telecasting over 13,000 schools in six states is not going on now Tests are slated for Feb. 1961..

The lead article in DXing HORIZONS "an S Meter for video" is something which should find great acceptance among the TV DX sets Now, we have a r meter anyone can build, same type readings all over the country. If it is used by DXers it can standize TV DX reporting, A very helpful gadet

Welcome NEW members: Ray Szaro-224 Elm St. South Amboy, N.J. Scott Macgregor-238 Pineacre Dr. Smithtown, Long Isl. David Combs of 909 Clayton St. Columbia, Mo. (thanks to Pirch, B. J. Bingham & B. Draeb. Tom Hidley is respondiable for David Swanson, for DXer Combs.) 6730 N.Oxford Ave. Chicago 31, Ill.

RE-NEWALS: 5th year men are Morris Foote, Bill Draeb, Milton Bay, Ray Bell and Dennis Smith. Wm. Grant has re-newed for his 4th year.

Sorry to lose our S-DX editor Don Ruland. Thanks for the job that was so well done. Don is now occupied in airline training, -Kansas CityMy

NOTE: A RED STAR on your envelope- Subscription UP !! Art Collins. November 1960

by Walter W.Spaulding

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The following report sent in by Art Freise White Plains N.Y. He is
plagued by locals in New York City on 7 channels and can only DX
after locals sign off.
WMAR
           Daltimore.Md
                                 175 mi. WCDS
                                                      New York, N.Y.
                                                                             25 mi
WGBH
           Boston Mass.
                               175
                                                      Pittsburgh, Pa.
                                          KDKA.
                                                                            331
WRCV
           Philadelphia.Pa.
                                 200
                                          KYTV
                                                      Springfield, Mo.
                                                                           1100
           Norfolk, Va.
WTAR
                                 300
                                           WCIA
                                                      Champaign, Ill.
                                                                            760
        333
CMQ.
                                1600
                                                      Pensacola, Fla.
           Havana, Cuba
                                          WEAR
                                                                           1045
WLBT
           Jackson, Miss.
                                1140
                                          WREC
                                                      Memphis, Tenn
                                                                            975
KARD
           Wichita, Kans.
                                1330
                                          WTIC
                                                      Hartford, Conn.
                                                                             95
                                          KYW
WSYR .
            Syracuse, N.Y.
                                190
                                                      Cleveland, Ohio
                                                                            426
                                760
285
WNDC
           New York. N.Y.
                                          WDZ
                                                   44555
                                                                            175
                                                      Boston, Mass.
           Milwaukée, Wisc.
Duffalo, N.Y.
Washington, DC
                                                      Washington DC
New York, N.Y.
WIMJ
        44555556
                                                                            190
                                           WRC
WEEN
                                           WNEW
WTTG
                                 190
                                                                            760
                                          WAGA
                                                      Atlanta, Ga:
WMCT
           Memphis, Tenn.
                                 975
                                          WPTV
                                                      Palm Beach.Fla.
                                                                           1045
WHDH
                                 175
                                                   556
                                                      Cleveland Ohio
Bay City Mich
Schnectady, N.Y.
                                                                            426
570
           Boston Mass.
                                           WEWS
                                 426
           Raleigh, N.C.
WRAL
                                           WNEM
WFIL
           Philadelphia, Pa.
                                 200
                                                                            141
                                           WRGD
           Richmond, Va.
WTVR
        6
                                 285
                                                   6
                                           WDDO
                                                      Orlando; Fla.
                                                                            996
                                                   6
        6
WOC
           Davenport. Iowa
                                 900
                                          KMOS
                                                                           1090
                                                      Sedalia, Mo.
        6
                                                   6
                                 285
WCSH
           Portland, Me.
                                          CMQ
                                                      Havana, Cuba
                                                                           1600
        6
                                                   6
7
WDRC
           Birmingham, Ala.
                                 855
                                           WJAC
                                                      Johnstown, Pa.
                                                                            275
           Toronto, Canada
                                 348
                                                                            25
CDLT
                                          WABC
                                                      New York, N.Y.
LAMW
           Washington, DC
                                 190
                                          WNAC
                                                      Boston, Mass.
                                                                           175
                                 285
                                                   7
                                                      Washington, N.C.
WKBW
           Buffalo, N.Y.
                                          WITN
                                                                            400
           Roanoke, Va.
                                 426
                                                                            570
WDBJ
                                          OIHW
                                                      Dayton.Ohio
                                                   8
                                                                            116
WNHC
        8
           New Haven . Conn .
                                  80
                                          WGAL.
                                                      Lancaster, Pa.
                                                   8
                                                                            190
                                 306
                                          WHEN
                                                      Syracuse, N.Y.
WXEX
           Petersburg, Va.
                                                                            25
        8
                                 426
                                          WOR
                                                   9
                                                      New York, N.Y.
WJW
           Cleveland.Ohio
                                                   9
                                                      Greenville, N.C.
                                                                            400
WTOP
        9
           Washington, DC
                                 190
                                           WNCT
        ğ
                                 348
                                          WCAU
                                                  10
                                                      Philadelphia, Pa.
                                                                            200
WSTV
            Stubenville.Ohio
                                                                            115
                                 115
                                           WTEN
                                                  10
                                                      Albany, N.Y.
WJAR
       10
           Providence, R.I.
                                                                            253
                                 300
                                           WFPG
                                                  10
                                                      Altoona, Pa.
WAVY
       10
           Portsmouth. Va.
                                                      New York, N, Y.
                                 426
                                           WPIX
WSLS
                                                  11
       10
           Roanoke. Va.
                                                      Raleigh, N.C. 426
WEAL
                                 175
                                           WTVD
                                                 11
       11
            Baltimore, Md.
                                                                             95
           Pittsburgh, Pa.
                                 331
                                           WVUE
                                                  12
                                                      Wilmington, Del.
WIIC
       11
                                 285
                                                  12
                                                                            115
                                           WPRO
                                                      Providence, R.I.
WRVA
           Richmond, Va.
       12
           Binghamton, N.Y.
                                           WSJS
                                                  12
                                                      Winston Salem, N.C. 475
WNDF
       12
                                 140
                                          WJZ
                                                  13
                                                      Baltimore, Md.
WN TA
                                  25
       13
           Newark, N, J.
       13
                                 115
           Albany . N.Y.
                                          Average ch. 3 765 miles best CMQ Average Ch. 5 510 miles best WPTV
Average Ch. 2 178 miles best KDKA
                 287 miles best WTMJ
Average Ch. 4
                                          Average Ch. 7 296 miles best WHIO
Average Ch. 6
                 634 miles best CMQ
                 223 miles best WJW
                                          Average Ch. 9 241 miles best WNCT
Average Ch. 8
                                          Average Ch. 11 239 miles best WTVD
                269 miles best WSLS
Average Ch. 10
Average Ch. 12 222 miles best WRVA Average Ch. 13 105 millowing report and station list
                                          Average Ch. 13 105 miles best WJZ
                                         Ch. 3 KYW 60 miles Oct.19,1959
Ch. 2 KDKA 60 miles Mar. 17, 1960
                                         Ch. 6 WJAC 105 miles Sept. 10, 1959
Ch. 5 WEWS
Ch. 7 WXYZ
              60 miles Oct. 18, 1959
              15 miles July 21 1960 He was staying near there at the tim 60 miles June 24,1960 Ch. 11 WIIC 60 miles June 25,60
Ch. 8 WJW
                                         Ch.27 WKDN 10 miles Mar. 18 1960
Ch.21 WFMJ 10 miles June 20,1960 (Ch. 33 WKST 10 miles July 31,1960
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November 1960

by Walter Spaulding

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Billy Dreab up Wisconson way has a very good report.
Number of states 40 Number of Provinces 7 Number of stations 266
        32 sta. best KDOI Boise, Idaho 1430 mi.
31 CFRN Edmonton.Alta. 1320
Ch. 2
Ch. 3
                                                                     ES
               KXLY
Ch. 4
                                Spokane, Wash.
        40 -/
                                                                      ES
                                                         1450
Oh. 5
Ch. 6
                      WPTV Paln Beach, Fla. CJON St. John's, NFLD.
        21
                                                         1285
                                                                     ES
                                                        1685
                                                                     ES
Ch. 7
                  WADC KATV New York Pine Bluff
                                                         750
720
                                                                      Tr.
        8
10
Ch. 8
                         KTUL
                                Tulsa, Okla,
                                                                     Tr.
(h, 9,
                     KWTV Oklahoma City, Okla. WCAU Philadelphia, Pa.
                                Oklahoma City, Okla.
                                                                     Tr.
                                                           815
Ch. 10
                                                           710
                                                                     Tr:
                     KTHV Little Rock, Ark.
Ch. 11
                                                           740
                                                                     Tr.
Ch. 12 12
                         KTVH
                                                           700
                                Wichita . Kan.
                                                                      Tr.
                                                         498
                     WHIN Huntington, W. Va.
Ch.13
                                                                     Tr.
UHF&& 37
                                                           473
                         WLEX-18 Lexington Ken.
Number of stations 1000 miles & over 42
Number of Hi Band stations 500 miles & over
Number of Educational stations seen 14
Morris Foote Middleton Idaho has good report also.
Channel 2 CKCW
Channel 3 WEAR
                    Moncton, N.B. 2551 miles seen Jan. 1,1957
Pensacola, Fla. 1830 miles seen Aug. 14,1954
Channel 4 XHTV Mexico City, Mex. 1983 miles seen Jun. 27, 1959
Channel 5 WAGA Atlanta, Ga, 1856 miles seen May 24, 1960
Channel 6 KRIS Corpus Christi, Tex 1536 miles seen Jun. 13, 1957
High Band
High Band
Channel 11 KLIX Twin Falls, Ida. 144 miles seen daily
Stations seen daily
Channel 6 KTLE at 240 miles (not seen continously all the time)
Channel 11 KLIX (mentioned above)
Channel 2 KBOI Boise at 24 miles Grade A signal (no ant.needed)
His local channel 6 has been off the air since first of year (KCIX 6
Nampa 9 miles) but he understands they will be back on air with diff-
erent call and new owners and will be Nampa-Boise with studios in
Boise.
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It again has been my greatest pleasure to have the Voegele brothers for the weekend.Oct 29 & 30. They brought there FM set for me to DX with and is it wonderful. In a 24 hour period I received 52 FM stations As far away as Chicago and to the east Altoona.Pa..6 different states. Well I guess all the letters are in for this month but don't forget another month coming up.

Walter W.Spaulding R.D.# 3 Box 168 Cardington, Ohio Dave Janouiak, Sept. 4, TROPS WKBW-7 WXYZ-7; Es, KTVU-2 (1900miles)

Antenna down for repairs. His log is at 262.

Richard Nieman, Buffalo, N.Y.---Oct.8, TROPS WWTV-13 WGN-9 WANE-15 WKJG-33;Oct.9, WKBN-27 WFMJ-21 WKST-33 WANE-15; Ms, KOA-4 WDSM-6. His Log is now at 264.

Frank Wheeler, Erie, Pa.—TROPS, Sept. 26, WJPB-5 WNEM-6 WJIM-6 Oct. 3, WNEM-5 also on Oct. 4; Oct. 9 WJIM-6 WOOD-8; Oct. 12, WJIM-6 WITI-6 WOOD-8; Oct. 25, WSYR-3. Aurora on Oct. 6, WSB-2. Frank's log is now at 140 with 129 Veries.

Clinton Day, Westerly, R.I. --- TROPS, Sept. 22, WAST-13; Sept. 24, WNCT-9 WTOP-9 WITN-7; Sept. 25, WJZ-13 WNBF-12 WTOP-9 WNCT-9; Sept. 28, WENH-11 WCSH-6 WGAN-13.

Thomas J. Hidley, Chicago, Ill.---Sept.25, WKNX-57; Sept.27, WSPD-13 Sept.29, WANE-15 WKJG-33 WMBD-31 WEEK-43 WSBT-22; Oct.1, KWWL-7 WMTV-33; Oct.4, WICS-20 WDAN-24 WTVP-17; Oct.10, WHO-13 WICD-24 WKNX-57 WTVH-19 WPTA-21. His log is now at 140 with 125 pictures

WPTA-21. His log is now at 140 with 125 pictures
B. J. Bingham, Festus, Mo, ---TROPS, Oct.6, WILL-12 WGN-9 WBKB-7
WCPO-9 WKRC-12 WSIX-8 WDXI-7 KCMD-5 WMCT\*5 WLAC-5 WLWT-5; Oct.7,
WHAS-11 WAVE-3 KMBC-9 WIBW-13 WREC-3; Oct.8, KFEQ-2 WBBM-2 KCMO-5
WBKB-7 WGN-9; Oct.9, KTHV-11 KCRG-9 WSIX-8 KMOS-6 WTMJ-4 WITI-6 WISN-6
WBAY-2 WFRV-5 WTTW-11 WBBM-2 WNBQ-5 WOC-6 KWWL-7 KRNT-8 WHO-13; Oct.10,
KSOO-13 WOOD-8 WKRC-12 WCPO-9 KCRG-9 WFBM-6 WISH-8 KTVO-3 KTTS-10 WGN9 WBKB-7 KRNT-8.

Bill Nieman

16 Wasson Street

Buffalo 10. New York

#### TECHNICAL DATA

This will be the first in a series of articles: on transmission lines and antenna impedance matching. To many DX'ers, this will be old stuff, but it may be of some use to others.

The theory behind trans. line matching is that a maximum transfer of energy if realized when the impedance of antenna line, and set are equal. The trans line can never amplify a signal, but steps can be taken to provide as little loss as possible between antenna and set. In this article, only 300 ohm line shall be considered: 75 ohm line will be taken up in the next article.

The first step involved is to choose a low loss line. The loss in signal in decibals increases as the length of line increases. Probably the best 300 chm line for low line loss is the open type. This line has a loss of only .5 dc per 100 ft. at 200 mc. This type of line would appear to be the best suited for good DX, but very few people use the open line. This line is hard to install and often gets tangled with rotator and guy wire. If anyone MAT has used the open wire, I would appreciate your comments on the characteristics of this kind of lead in. It sells for \$2.17 per 100 ft. It is ideal for UHF.

The tubular and flat lines are the most common. Examination of the loss per 100 ft. shows that the flat and tubular are essentially the same at low band, but a lower line loss at the high band. The loss in decibals will increase as the frequency increases. For this reason, flat line should never be used for UHF. Tubular line shows a loss of about 47 decibals at low band and 1.3 db loss at the high band.

In any kind of installation, it should be as short as possible due to the loss per foot relationship.

Tubular line comes either filled or unfilled. The line loss is the same for each, but the filled line will not be affected by noisture due to its insulation. Amphenol 214-271 filled 300 ohm sells for \$4 per 100 ft at warehouses. Unfilled 300 ohm ribbon sells for about \$3.40. When installing the unfilled 300 ohm line, be sure to tape or plug the end of the line that attached to the antenna terminal. About 4 years ago, I installed unfilled line without plugging the end. The result was a gosty pucture every time it rained. When I disconnected the line from my TV set, a puddle of green water spilled on the parlor rug. This incident didn't strike to happy a note with my parents.

My findings with good grade tubular line and good grade flat line ledd ne to favor the tubular filled 300 ohn line. Many readers may disagree with me.

If flat line is preferred, the best kind would be 214-185 Amphenol. It sells for about \$5 per 100 ft. The high price is due to the thick 185 web jacket providing extra strength and the 7/26 stranded conductors. The 7/26 conductors are usually used only in heavy-duty trans. work. The 7/28 conductor wire is used for most 300 ohm line.

I might insert at this time that no money should be sparred when choosing a transmission line. Roofand must standoffs should also be employed. Properly choosen line can make the difference between good and poor DXing. Trans line should be checked at least once a year and replaced every 2 years.

Well, I got a few pleasant surprises this month, altho FM-DX seems to have been on the slow side. I will try to answer all letters I received, altho, it may take some time.

The first letter doesn't concrn any DX yet, but it promises some great things for the future. Mr. Harvey deCamp; 3016 Bancroft St; San Diego, California wrote seeking help in the field of TV & FM DX. Harvey would appreciate letters from all AIPA'ers. Mr.deCamp appears to have all the enthusian for DX that is needed for a good member. He claims one record already, that being 83 years YOUNG. Let's Show Mr.deCamp how AIPA welcomes a new member into the fold. Mr.deCamps equipment includes a Fischer FM 100 receiver, a Fleetwood TV, 50ft mast with Finco TV Antenna, a finco 10 element FM antenna, and a Alliance rotor.

John Dycman sent a fine letter saying that he has 24 FM stations with 19 veries. John DX'es from "below sea level" as his antenna is in the basement of his home. More of John's findings and loggings next month.

Charles Wood, ashland, Oregon sends in a handsone log of 28 FM stations. On Sept. 18th, he logged 21 FM new stations. They are as follows: KGMG \* KOIN - KEX: KDFM: KPOF: KGM KQFM: KHED DFMY: KUGM: KGPO: KMYC: KBEE: KTRB: KSFM: KXRQ: KBAY: KDFC: KEAR: KNBC: KSFR: KTNT: KMPM and KMLA at 650 miles. Over half of Charles's catches are over 250 miles. Charles does with an Eico HFT- 90 receiver and a CLAx antenna. Congratulations on a fine report Charles. Your work should be an inspiration for all dxers.

Ferdinand Bombrowski, my old neighbor in Okauchee Wisc. sends in a fine report as well as some valuable info which will be used at a latter date. I'm going to challenge Ferdie to a dx contest one of these days as he and I have had about the same luck in FM dx so far. Our logs are quite similar. Ferdie reports the folling new stations; AUG.25, WFHR: AUG 26, WISM: AUG.29, WJEF. WLAVE AUG.27, WMBI. WMAQ? SEPT.20, WBEZ. WLIN, WHEF? SEPT.23, WMKE. Ferdie has 50 stations logged in 5 states. Ferdie always has a lot of info in his letters, and much of his findings can be read in the IDX column.

Well, I've got the old log up to 60 stations in 5 states. Most of my dx has been done on Saturday mornings for the past few months. My better catches are only 300 miles but if I could get a better antenna I'de be in good shape. My present antenna is a yagi (home made) which receives better from the back than from the front. Oh well, back to tje drawing board. I owe much of my successes to my Bogan SRB 20 stereo AM and FM receivers and 20 watt amplifiers combo. About 40 stations were logged on only a three foot piece of wire. With my yagi I get about 40 a night now.

I get about 40 a night now.

I understand that TV and FM dx will be on the slow side for the next four months. I sincerely hope that all members will not give up on dx until the summer months. Here in Milwaukee the winter months provide the best times to log those hard to get stations via the m's route. My past log shows about 30 stations logged on meteor skip only. With the trops signals way down during the winter months, I can now log some of those low banders that I hve not seen via e's.

I received quite a lot of info this month and I may have to expa nd to two pages next month. Nothing would please me more than to do this, so don't be afraid to send any info on TV or FM up Milwaukee way.

In closing I would like to thank Harvey De CAMP, JOHN Dycman, Charles Wood and Ferdinand Dombrowski for their fine letters.

Best of dx,

Dave Janowiak

Due to the fact that Donald Ruland is currently in Kansas City, Missouri attending Airline Training School, he found it necessary to abandon the editorship of this column. For this month I will try to fowlow his example in conducting this column. Because of the school schedule that I have I will not be able to conduct this column permanently so if any of the members wish to try his hand at it please get in touch with either Art Collins or King Schafer.

Now for the DX. The new stations are underlined.

Donald Ruland, Via trops: Oct 3-- WIS-10 WJBF-6 WMAZ-13; Oct.6-WIS-10 WMAZ-13 WJBF-6; Oct. 7-- WJBF-6; Oct. 10-- WJBF-6; Oct. 20-- WJBF-6. Via MS: Oct. 11-- WTAE-4.

Robert Berg, Via trops: Aug. 29-- WECT-6 NCSC-5 WFIL-6; Aug. 31; WDBJ-7; Sept. 4-- WDBJ-7 WHIS-6 WCYB-5; Sept. 7-- WDBJ-7 WECT-6 NGAL-8; Sept. 23-- WFMY-2 WCYB-5 NCSC-5 WECT-6 WHIS-6 WFIL-6 WDBJ-7 WSLS-10 WSJS-12 WLVA-13; Sept. 24-- WFMY-2 WOAY-4 WCYB-5 WHIS-6 WDBJ-7 WSLS-10 WSJS-12 WLVA-13; Sept. 24-- WDBJ-7.

# Average Mileage Contest Standings:

DX		<u>Location</u> <u>No</u>			7. Mi.
B.	Brown	Austin, Tex.			,302 Mi.
	Johnson	Longview, Wash.	145		,196
R.	Hilding	Phoenix, Ariz.	125	1	, 154
J.	Dillon	Regina, Sask., Can.	86	and the second second	,059
K.	Neal	Hamlin, Tex.	206	- 1	,007
	Smith	Wasco, Calif.			828
D.	Ruland	, , ,	172		789
D.	Webb	Springfield, Mass.	74		774
R.	Berg	Norfolk, Va.			750
E.	Bourgeois .	Norco, Louisiana	276	-	710
N.	Erint	Kenmore, N.Y.	204		614
J.	Pirch	Richmond, Mo.	125		584
F.	Wheeler	Erie, Penn.	<b>XXX-140</b>		566
J.	Parillo		171		546
B.	Draeb	Kowaunce, Wisc.	<b>XXX-</b> 250		477
R.	Nieman :		233		517
В.	Nieman	BO#falo, N.Y.	204		512
R.	Borgen	LaGrange, Ky.	102		477
Ŕ.	Foster, Jr.	Monroe, La.	81		465
J.	Dyckman	Canfield, Ohio	10		45

That's all for this month. Remember that if you want the editorship of this column to get in touch with either Art Collins or King Schafer.

Best of DX and 73,

Bob Berg

John Cody has omitted his column this month, he is planning a article on pre-amplifier design for Dec. issue.

Dick Miller of Royal Oak, Mich is soon to have a Tape Recorder ! GOOD. Want a TV Tower? Tom Hidley is selling them !!!! also GOOD.!!!

# THE IMMENSITY OF SPACE "

Mysteries from out of space. Strange phenomena here on our planet. In the year 1880 and thereabout many strange things took place. For example there were revolving wheels or spokes of light seen in the ocean depths from the decks of ships at sea which experienced seamen were at a loss to explain. On several farms, stones were sem to shoot upward into the sky. Roofs of houses flow up and landed some distance away. Although there was no wind at the time. Ice fell; a green thunderbolt was seen; an unusual number of comets were discovered; bright lines were seen on the moon; disturbances were seen on the planet Jupiter; strange and startling meteoric stone was found; the sun darkened and many places experienced an abnormally cold winter. Along with the comets were seen other objects, appearing fiery or misty, but resembling these familiar members of our solar system, yet showing unusual motion.

A group of luminous bodies were seen to arise from a horizon in Germany; a substance like brown coal fell in Argentina; red, blue, and gray hailstones fell in other places; quartzite, and unheard of material in meteorites was also seen to fall in certain places; invasions of black flies stretching out in large areas appeared in many places near the Atlantic.

Some of you who live around the Gulf of Mexico, have witnessed tropical storms similar to the last one called, "Donna". Storms of this kind do freakish things that you would think impossible. A great power that comes out of space, and leaves distruction for thousands of miles. This no man can control.

There have been isolated freak storms which appear in otherwise undisturbed skies. They usually drop debris having clouds of unique shape, density, texture and color, and they are sometimes luminous or contain lights. These storms often produce exstremely violent winds, and a profound darkness like night. Even the birds go to roest.

DXing gets better just before such storms, or several hours after. Your President: Art Collins can vouch for that. I feel that this is an angle worth while knowing.

In the past two or three decades, the question of whether spores and monocellular organisms come from outer space in meteorites is still unanswered, however fossils of corals, sponges, shells and crinoids, all microscopic were claimed to have been found in meteorites by a Dr. Hahn. Some trained and intelligent men did actually see them andagreed that they were contained in meteorites. Added to this, stones identified as fossil meteorites were found in an ancient bed of coal. Fossil meteorites are the type that show definite traces of monocellular organisms (fossil too small to be seen with the naked eye). Ref. Jessup, page 99,100-102-217. Ibid., p. 77 - 91.

I sincerely hope the subject you have read for the last twelve months was a subject of interest. The Immensity Of Space. This required a lot of digging into the unknown. I find that my time is limited to looking up articles about space. This is the final, and a new subject will appear in the near future.

Wishing all of you a HAPPY THANKSGIVING.

Thomas J. Hidley "TV Corner" Neighbor: How do you get your son out of bed in the morning? Mother: My son sleeps with his dog. I throw the cat on the Chicago 31. Illinois 6117 N. Canfield Avenue

Here it is, another month and another Ms column. It seems that Ms has started to become more frequent lately. I've seen more bursts than I usually see so I guess Ms is on the incline. Well, here are this months reports:

BoJo Bingham, Festus, Mo.---Augolith WMAR-2, WKTV-2, WCBS-2, WJEK-2, WBAY-2, WBIV-2, WTAR-3, WBZ-4; Augolith WBAY-2, WBBM-2, WGR-2, WKTV-2, WCBS-2, WFMY-2, WMAR-2, WRCV-3, WTIC-3, WTAR-3, WBZ-4, WNEC-4, CKCK-2, WDKA-2, WBC-4; Augolith WBAY-2, WCBS-2, KDKA-2, WMAR-2, WLWD-2, WTMY-2, WRCV-3, WJAC-6. A'fine report B.J. Thanks.

Richard V. Nieman, Buffalo, N.y. -- Oct. 17th WCBS-2, WBZ-4, WNBC-4, KMOX-4; Oct. 15th KMOX-4. Thanks for the report Dick.

My crummy report is as follows; Oct.5 WLWD-2 (11 bursts); Oct. 21 WTAR-3.

There is one main hindrance to my Ms DXing and that is that Chicago is \$\frac{5}{1}\] on daylight savings time and they're usually in here, (chs.2&5) with excellent signals almost every morning thus limiting my chance 'to catch any DX in a general southerly direction.

I also had trougle with my TV set last week and that took \$8.80 outof my pocket. I think I'll have to change some of the tubes in my set if I want Ms to be any better than it now is. Isve only changed one tube in the set since I got it about 15 months ago and that tube I changed last week when I had the trouble.

Trops have been terrific lately though. I won't go into any details but the last new station I saw was WDEF-12 690mi. and that was this morning (25th). My log is now at 267.

I hope you all noticed the contest I was running. It runs from Oct.15, 1960 until May 15, 1961. For details, see last months bulletin.

I had my first taste of Auroral Es on Oct. 5th. I saw the "Perry Como Show" for several minutes on ch.3 delayed 2 hours (PST). I also had an ABC program on ch.3 which also was delayed 2 hours.

I saw the first snow of the season on Oct. 19th. You needed a microscope to see the stuff though. We've had pretty cold temperatures here lately. Last week one day we had a high of 39 and a low of 24. Sine e then it went down to 21 degrees a couple of nights.

I guess that's about all the gab for this month. Ms is picking up so I'll be expecting a few more reports. I myself intend to improve on my Ms Dxing so lets get on the stick and snag a few. 73's

Bill

1.

Since summer skip has been on the lean side in this area, I have been sitting back waiting for those usually great "tropo" openings which thus far have failed to naterialize to any great extent. I guess I'll just have to wait for the winter E-skip which hits here about every year from the Carribean area. On December 12, 1955 in the late evening hours, I logged 5 low-band channels out of Cuba during a snow storm.

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It was certainly nice to see so many of our club members listed in DXing Horizon's "over 50 club". Due to pressure of other activities I failed to get my listings in to editor Cooper. Will do better next time, Bob!

An October 4th letter from Mr. Howard Carpenter of Union Carbide lists my old Eveready radio as a 1928 model. I hope our president approves the next question I am going to ask, although it does not concern TV: Does anyone have an older playing radio?

Does anyone own an ancient TV in playing shape? If so and you send me the dope on it, I shall put it in this column. Who has the oldest?

# TV Facts and Figures: About NBC

- 1941: RCA exhibits a hone TV receiver with a 13 1/2" by 18" screen.
- Feb. 20, 1941: Color TV pictures in notion first put on the air by NBC.
- June 16, 1941: NBC files application for liscences to operate commercial TV stations in New York City, Philadelphia, and Washington, D.C.
- June 27, 1941: Advertising rates of MBC were \$60 an hour between 8 a.m. and 6 p.m., and \$120 per hour between 6 p.m. and 11 p.m., effective July 1, 1941.
- July 1, 1941: NBC s station WNDT becomes first commercial liscenced transmitter to go on the air.
- March 1, 1944: NBC announces plans for a nationwide TV network to be completed by 1950.
- Sept. 9, 1945: NBC televises films of Japanese surrender from station WNBT.

Until next month, 73's to all-

"The Old Buckeye"

Lasts month column wasn't completed in time for the bulletin. I beleive that Art told everyone in the bulletin about the trip to Mt. Ashland. I won't add enything to that except that I made another trip up and logged one new station, KFRE, channel 12 in Bresno, California, a distance of about 425-50 miles. The map that I use isn't very accurate because of its projection. About 25 FM stations from Tacona, Washington to Los Angeles, California were logged using a four element homemade yaggi cut for 98 negacycles. It intrigues no to think of the possibilities when using a Finco FM-% or the big FM-Q job! Perhaps next year I will find out.

This afternoon, something very strange happened to me. We had an electrical sterm with the usual amount of goodies provided by nature, thunder, lightning and so fourth. Ever so often after a burst of static caused by thunder or lightning, KOIN-FM and another station would suddenly become grade A as if a meteor burst had reflected the signal. However the other station is weak but only 35 miles away by air, very unlikely for meteor scatter reception. The only conclusion that I can come to is this. The lightning or electrical charges in the air ionized an area large enought for reflection. If anyone knows the answer, I would appreciate a card or a letter.

Congratulations are in store for the Channelmaster Corporation on the development of the new Super T-W. In case you haven't heard it sells for a few dollars more than the TW-7. It consists of six dipoles instead of seven, however it has two V-shaped directors and two reflectors of the same type.

The southern Cregon area may have a new television station on the air within six months. Radio Medford, Inc., which owns and operates KMED radio in Medford has gotten coroporation from other applicants who have dropped out of the race for channel ten. Target date for operation is 120 days after the construction permit is granted. The station will carry NDC color and other network programs plus local programs.

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Things are looking better around here now, as far as this column is concerned. I've found another source of information and I've received 2 letters for my 2 columns, but that isn't a very good average Both of them came from Dennis Smith, Where are the rest of you?

Dennis uses a Hallicrafters SX-43 but hasn't heard any European IDX as yet. The season is upon us now, Den, so look out! He has a lot of GRM from local FM stations, but I don't have it so good either. The last time I tried my converter we had 3 FM locals and only one of thos came through on the converter but in many places. A 60 kilowatter at 5 miles is hard to ignore. Now we have 6 locals with 4 more due on the

air very soon, so I may have a little more QRM now,

I use a "Regency FM Televerter" which is designed to tune 88-108 me, on a TV set using channel 5 or 6 as an IF, somewhat similar to a UHF converter, the "Regency" is a one transistor outfit which sells for \$14.96. I wouldn't recommend it to anyone who can afford to convert the "Heathkit FM-3A". I wish I had, but I couldn't afford the \$26.95 at the time. My rx is 0K for a beginner because it does tune 40.50 me, when properly converted, and if London and Caen get fairly strong, this thinf will pick them up. Of course, it isn't very good for DX but its better than nothing. I got it in 1958 and sent it directly to the IDX editor, Gordon Simkin, who had offered to do the conversion to 40-50 me since I had no technical knowledge at the time. Any FM receiver can be used, or any VHF receiver at all, which tunes the 41 to 50me region or higher.

Most of you are probably aware of "DXing Horizons" 2 October articles on Auroral DX and the theory presented by their experiments. The suggestion that trans-polar skip is possible via the aurora can revolutioize IDX. the articles inferred that theoretically any transmitted signal from over the North Pole can be received practically anywhere in North America, as long as the signal passes through a zone being affected by aurora at the time. the aurora need not be visible (outdoors) for you to receive such IDX. My Alaskan reception of Sept. 7, 1959 was mentioned in one of the articles as a typical example of what is possible during good auroral disturbances. This was the first I'd heard that there was any aurora that day. It wasn't visible at all here. This means that every time I do see it outdoors, it has a wider range than the day I saw Alaska; If you have a great circle map, draw a circle around the magnetic pole in northern Canada for a distance of 1000 to 1500 miles from the center, the pole. From Okauche e, I can receive any station in Europe or Asia; and on big aurora nights I can even get Alaska and northern Africa; and possibly Japan and Siberia. Since aurora afects higher frequencies as we approache the pole, the farther north you are, the higher in frequency your IDX can be. I have only seen aurora on channel 7 once, but only 100 miles north of me, Billy Draeb sees it often on the high band TV in a few places begins on the high band lower than our channel 7 so no American station could interfere with them in this part of the spectrum. East Berlin has a station at 144-151mc, Frech channel 4 has a video carrier at 164.0mc, and of course the Japanese channels 1,2 a and 3 fall between 90 and 108mc. the Australian system has 2 channels

between 132 and 146mc but these are not being used at the present. The 40-50mc region will be the one to watch for your first sign of something big. If you don't have a converter you'll have to fight your local and semi-fringe stations but you have as good a chance to see something as the next man. No one has seen Europe yet via aurora, but who ever thought it possible? John Cody had a good article on how to watch aurora in the Oct. bulletin on the back of my IDX page 1, so look it over and get set. Who knows? You may see New Delhi, India before Bedford Brown sees it!

I guess its about time I got around to some news so herecatis. The AT&T wants to launch its own TV satellite within a year for experimenta 11 purposes. They're working on ground receiving stations now 2. A company in Tripoli, Libya is advertising for a technical mgr. for miscellaneous duties including some TV xmttr work. W. West germany was to inaugurate a UHF service in bank 3 but the govt. and private interests are arguing now over who is going to build the network. It will be commercial, and consist of 29 stations. The Colonial Office in London has a branch which is helping to establish TV in all the colonees that want it. Commercial TV in Bermuda, Nigeria are on the air already. Malta should be on by now, and plans are underway in Kenya, Rhodesia, Gibraltar, Aden (Arabia), the West Indian Federation (from Jamaica to Trinidad), and the Bahamas (ch. 3, I hppe). A man in Jamaica wrote to "Radio-Electronics" to ask how to construct a ch. 4 yagi, and asked if it would be good for other channels, too. He may be a DXer trying for Cuba or he may be putting up an antenna for a local station. 5. Channel 9 in Buenos Aires, Argentina went on the air June 9th. 6. RCA has won a contract to build 9 TV stations in the United Arab Republic, EGYPT and Syria. Cairo#1 went on the air July 23 with Arabic and Eurppean programming, and Cairo #2 was due on in Oct. with all European Programming in several languages. Programming is almost all American with Nasser propaganda mixed in. 525 lines used evidently as all TV sets imported so far are from 525 line countries. An Arab TV factory will be built as part of the contract between RCA and U.A.R. 100,000 TVs in use by Jan. 1, 1961. 7. A Danish radio-TV manufacturer is touring the USA to study our production and TV. He saya commercial TV is inevitable in Denmark. Its the latest fad and its catching on everywhere. American programs shown there are transmitted with English soundtrack, so if you here a familiar program from Europe, it may be Denmark with printed -- not spoken---translation. 8, ABC-Paramounts new "Central American TV Network" claims 55,000 sets seeing its programs on stations TGBOL-3, TITCR-7, YSEB-6, YNSA-8, and HRTG-5, which I mentioned last month, I think. 9. The first AFRTS station in Japan will be built at Misawa AFB, 310 miles north of Tokyo. The Japanese Govt. recently granted permission for the US military TV station. 10. A tv man in Bermuda has found extraordinary DX with a 5 element yagi. He sees Cuba every day with a picture as good as a local. WRC-4 is a common visitor, although not as good. However, WESH-2 is nearly as good asCuba. His employer sells TV sets and finds the British-made sets outperform any American set they sell for snow-free pictures from the DX stations. 11, THE AIRBORN TV experiments over Montpelier, Ind. are to begin in Dec, with TPs. This is to be a permanent series, with several simultaneous programs eventually. It is already financed through June, 1962. there is talk of tax support after that date. Fantastic DX records are possible when the antenna is 23,000 feet high, so Canadians beware. 12. New Canadians I see listed are: CHBC-TV4 in Oliver, B.C. and CBW\* FT-6 in St. Boniface, Man., across the river from Winnepeg, first CBC-

French station in western Canada.

I'll try to have a list of European TV frequencies next month...I didn't have time this Month. F2 season is here, so look out for TH the BBC in the AM and KENI-2 in the evening. I'd like a lis of 40-50mc police and paging stations if you can tell me where to get one. 73s. FERDINAND DOMBROWSKI JR., 1335 Road B. OKAUCHEE. WISCONSIN

#### NEWS & VIEWS

Well another month has rolled around and I find I have even less to report this month, than I had last month.

Charles Wood telephoned me the other evening from Portland, Ore., where he was visiting. It was very interesting to hear from him again. He informed me that there had been some Es last week in from the Los Angeles area. I had not been dxing at the times it was in..hence did not log a thing.

Dennis Smith wrote that F2 skip has been going consistantly for the past few weeks..up to about 37 or 38 mc. Hope he lets me know when it gets up a little higher..as I want to try for Europe too. Hope to hear from you via tape soon.

Art Collins tapes that he has been getting a series of 6 cold shots..to help him NOT get a cold..after last winters illness. He loves to get those little shots..don't you Art?

Morris Foote writes that this month has been the best for TV-DX in Oct., for him since 1953. He logged 1 new station KNOP-2, making his total 99. (100 here you come) Morris makes mention of the fact that at the Western convention talk was of perhaps having a emblem for our club. This emblem could be used on ties, jewelery etc., as well as on stationary. It was suggested that each club member who wanted to.. submit a design and have them published in the AIPA bullitin and have you the members vote on them. So if any of you like this idea..and have any ideas..send them on to Art or King. (Personally..I think it is a great idea) Morris also wants to know where the Western Convention can be held this coming year. He wants to know if any of you would like to come to Idaho? Morris' log reads:Oct. 2, unid ch. 10 by ms/Oct. 4 KFEQ-2 by ms/Oct. 6, KCKT-2 by ms and ch. 4-5-6 aurora with ms trying to overide the aurora. Oct. 7, KCSJ-5 by ms/Oct. 10 unid ms on ch. 13/Oct. 13, KMID-2 by ms/Oct. 14, unid ch. 10 by short trops/Oct. 17, unid ch. 13, by ms/Oct. 19, KFEQ-2 and KCMO-5 by Es/unid ch. 10 by trops/WKY-4/KOCO-5/KARD-3 by Es. Oct. 21, KFEQ-2 by MS KGLO-3/KNXT-2/all by ms. Oct. 24, KNOP-2 by ms.

Long letter from D on Ruland of Florida saying he is in Kansas right now for Airline training. Best of luck Don.

No Dx reports from here..except some ms from KUTV-2/KNOP-2 CKCK-2/KCKT-2/KNXT-2/and trops from KREM-2 almost daily.

Hope more of you write next month..as I can't do a article with- out info to put in it.

73's DEE

November 6, 196)

American Ionospheric Propagation Association

Co-Channel Interference Column --- conducted by Bedford P. Brown Address: 2505 Rio Grande, Austin 5, Texas

Unidentified Programs(All time is Eastern Standard Time.)

Morris Foote, Box 153, Middleton, Idaho

Aug.1 11:30am ch.5 test pattern, bull seye type, call letters upper left with TV under it.

Aug. 3 8:45am ch.3-mentioned Columbia, Missouri

Aug. 5 7:45am ch.2 RTMA chart test pattern, no call letters. The received again on Sunday, Aug. 14th at 11:50am and again on Aug. 15 at 7:52am. Audio is music. Could it be WMT-TV?

Aug.15 8:35am ch.2 mentioned bouncing tv signals off a satellite in space, showed a tv dime, news, Arlene Francis on show

Aug.18 12:34pm ch.5-ad for car dealer in Mitchell and grain dealer in Bend. (I can find Bend, Orc., Mitchells in S.D, Neb, Ind., and Ontario.

Sept.1 7:45am ch.2-RTMA chart and misic

Sept.2 7:47am ch.2-RTMA chart and museic

Sept.6 7:50am ch.2-RTMA chart again

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Oct.13 8:25am ch.2-"Good Morning, the Garden City..." no video, only audio ms burst.(Garden City, Kansas?)

Charles W. Ashcom(K8IDZ), 16564 Cherrylawn Ave., Detroit 21, Mich. Oct. 9 2:30am to 3:55am ch.2-west southwest direction. Program from 2:30am to approximately 3:40am was a discussion program with several men and a woman seated around in comfortable chairs in a room-like set. Program was interrupted occasionally by commercials. Naws, vanweather, sports, etc, from 3:40 am to sign-off at 3:55am. I D was small CBS xeye at left, large "2" in center, and small call at right. (Would Chicago-area dxers please check WBBM-TV?)

Thanks a lot to Morris and Charles for the reports. I am current ly swamped with school work and will answer letters just as som as I can. Until next month, 73's and best dx to all, Bedford